

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
Sheet	1	of	15	Attorney Docket Number	05213-0296 (43170-266780)

RECEIVED

SEP 04 2002

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ²	Kind Code ³ (if known)			
mm	1	4,552,888		Koppel et al.	11/12/1985	
	2	4,994,443		Folkman et al.	02/19/1991	
	3	5,001,116		Folkman et al.	03/19/1991	
	4	5,021,404		Folkman et al.	06/04/1991	
	5	5,223,409		Ladner et al.	06/29/1993	
	6	5,358,959	B1	Halperin et al.	10/25/1994	
	7	5,385,885		Gasic et al.	01/31/1995	
	8	5,589,359		Innis et al.	12/31/1996	
	9	5,653,744	B1	Khoury	08/05/1997	
	10	5,770,563		Roberts et al.	06/23/1998	
	11	5,795,865		Markland et al.	08/18/1998	
	12	5,981,471		Papathanassiu et al.	11/09/1999	
	13	6,010,880		Markland et al.	01/04/2000	

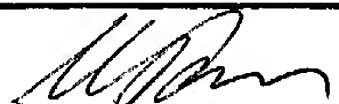
Examiner Signature		Date Considered	11/03
-----------------------	--	--------------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

*Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		RECEIVED SEP 04 2002 TECH CENTER 1600/2900	
				Application No.	10/086,176		
				Filing Date	02/28/2002		
				First Named Inventor	Hembrough et al.		
				Group Art Unit	1631		
				Examiner Name	Unassigned		
Sheet	2	of	15	Attorney Docket Number	05213-0296 (43170-266780)		
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office ²	Number ²				
mm	14	WO	97/09063		Chiron Corp.	03/13/1997	
mm	15	WO	97/35609		Juridical Foundation the Chemo-Sero- Therapeutic Research Institute	02/10/1997	No

Examiner Signature		Date Considered	11/03
-----------------------	---	--------------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.


*Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application No.	10/086,176		
		Filing Date	02/28/2002		
		First Named Inventor	Hembrough et al.		
		Group Art Unit	1631		
Examiner Name	Unassigned	RECEIVED SEP 04 2002 TECH CENTER 1600/2900			
Attorney Docket Number	05213-0296 (43170-266780)				
Sheet	3	of	15		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

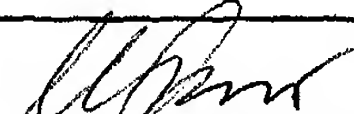
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MB	16	Author: ALGIRE, G.H. et al. Title: Vascular reactions of normal and malignant tumors in vivo. I. Vascular reactions of mice to wounds and to normal and neoplastic transplants Publ: <u>Journal of the National Cancer Institute</u> Vol/Iss: 6 Pages: 73-85 Date: 08/1945	
	17	Author: BOK, R.A. et al. Title: Quantitative Characterization of the Binding of Plasminogen to Intact Fibrin Clots, Lysine-Sepharose, and Fibrin Cleaved by Plasmin Publ: <u>Biochemistry</u> Vol/Iss: 24 Pages: 3279-3286 Date: 1985	
	18	Author: BREM, H. et al. Title: Interstitial chemotherapy with drug polymer implants for the treatment of recurrent gliomas Publ: <u>Journal of Neurosurgery</u> Vol/Iss: 74 Pages: 441-446 Date: 03/01/91	
	19	Author: BROZE et al. Title: Regulation of Coagulation by a Multivalent Kunitz-Type Inhibitor Publ: <u>Biochemistry</u> Vol/Iss: 29 (33) Pages: 7539-7546 Date: 08/21/90	
	20	Author: BROZE, G.J., Jr. et al. Title: Tissue Factor Pathway Inhibitor and the Revised Theory of Coagulation Publ: <u>Annu. Rev. Med.</u> Vol/Iss: 46 Pages: 103-112 Date: 1995	
	21	Author: CAO, Y. et al. Title: gro-B, a-C-X-C- Chemokine, is an Angiogenesis Inhibitor that Suppresses the Growth of Lewis Lung Carcinoma in Mice Publ: <u>Journal of Experimental Medicine</u> Vol/Iss: 182 Pages: 2069-2077 Date: 12/01/95	
MB	22	Author: CAO, Y. et al. Title: Kringle Domains of Human Angiostatin Publ: <u>The Journal of Biological Chemistry</u> Vol/Iss: 271 (46) Pages: 29461-29467 Date: 11/15/96	

Examiner Signature		Date Considered	6/03
--------------------	--	-----------------	------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

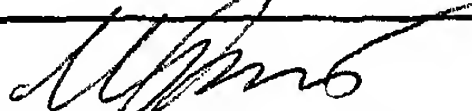
Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
Sheet	4	of	15	Attorney Docket Number	05213-0296 (43170-266780)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.); date, page(s), volume-issue number(s), publisher, city and/or country where published			
MM	23	Author: CARDIFF, R.D. Title: Protoneoplasia: The Molecular Biology of Murine Mammary Hyperplasia (Abstract only) Publ: Advances in Cancer Research Vol/Iss: 42 Pages: 167-190 Date: 01/01/84			
	24	Author: CHEN, C. et al. Title: A Strategy to Discover Circulating Angiogenesis Inhibitors Generated by Human Tumors Publ: Cancer Research Vol/Iss: 55 Pages: 4230-4233 Date: 10/01/1995			
	25	Author: CLEMENTS et al. Title: Kallikreins and kinins in inflammatory-like events in the reproductive tract (Abstract only) Publ: Pharmacological Research Vol/Iss: 35 (6) Pages: 537-540 Date: 06/1997			
	26	Author: CONTRINO, J. Title: <i>In situ</i> detection of tissue factor in vascular endothelial cells: Correlation with the malignant phenotype of human breast disease Publ: Nature Medicine Vol/Iss: 2 (2) Pages: 209-215 Date: 02/1996			
	27	Author: CRUM, R. et al. Title: A New Class of Steroids Inhibits Angiogenesis in the Presence of Heparin or a Heparin Fragment Publ: Science Vol/Iss: 230 Pages: 1375-1378 Date: 12/20/85			
	28	Author: DAVIES et al. Title: Pathobiology of Intimal Hyperplasia Publ: British Journal of Surgery Vol/Iss: 81 (4) Pages: 1254-1269 Date: 09/1994			
MM	29	Author: DEVARAJ et al. Title: The effects of alpha-tocopherol on critical cells in atherogenesis Publ: Current Opinion in Lipidology Vol/Iss: 9 (1) Pages: 11-15 Date: 02/1998			

Examiner Signature		Date Considered	11/03
-----------------------	---	--------------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
Sheet	5	of	15	Attorney Docket Number	05213-0296 (43170-266780)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
MB	30	Author: DINBERGS et al. Title: Cellular Response to Transforming Growth Factor- β 1 and Basic Fibroblast Growth Factor Depends on Release Kinetics and Extracellular Matrix Interactions Publ: The Journal of Biological Chemistry Vol/Iss: 271 (47) Pages: 29822-29829 Date: 11/22/96			
	31	Author: ENJYOJI, K. et al. Title: Effect of Heparin on the Inhibition of Factor Xa by Tissue Factor Pathway Inhibitor: A Segment, Gly ²¹² -Phe ²⁴³ , of the third Kunitz Domain is a Heparin-Binding Site Publ: Biochemistry Vol/Iss: 34 (17) Pages: 5725-5735 Date: 1995			
	32	Author: FERENCZY, A. et al. Title: The cytodynamics of endometrial hyperplasia and carcinoma Publ: Annales de Pathologie Vol/Iss: 3 (3) Pages: 189-201 Date: 09/1983			
	33	Author: FOLKMAN, J. Title: Tumor angiogenesis and tissue factor Publ: Nature Medicine Vol/Iss: 2 Pages: 167-168 Date: 02/01/96			
	34	Author: FOLKMAN, J. Title: What is the Evidence that Tumors are Angiogenesis Dependent? Publ: Journal of the National Cancer Institute Vol/Iss: 82 Pages: 4-6 Date: 01/03/90			
	35	Author: FOLKMAN, J. Title: Angiogenesis in cancer, vascular, rheumatoid and other disease Publ: Nature Medicine Vol/Iss: 1(1) Pages: 27-31 Date: 11/01/95			
MB	36	Author: FOLKMAN, J. Title: Angiogenesis and Its Inhibitors Publ: Important Advances in Oncology Vol/Iss: Pages: 42-62 Date: 1985			

Examiner Signature		Date Considered	4/03
-----------------------	--	--------------------	------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

PTO/SB/08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
				Attorney Docket Number	05213-0296 (43170-266780)
Sheet	6	of	15		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MM	37	Author: FOLKMAN, J. Title: Tumor Angiogenesis: Therapeutic Implications Publ: New England Journal of Medicine Vol/Iss: 285 (21) Pages: 1182-1186 Date: 11/18/71	
	38	Author: FOLKMAN, J. et al. Title: Long-term culture of capillary endothelial cells Publ: Proceedings of the National Academy of Science USA Vol/Iss: 76 Pages: 5217-5221 Date: 10/01/79	
	39	Author: FOLKMAN, J. et al. Title: Induction of angiogenesis during the transition from hyperplasia to neoplasia Publ: Nature Vol/Iss: 339 Pages: 58-61 Date: 05/04/89	
	40	Author: FOLKMAN, J. et al. Title: Tumor Behavior in Isolated Perfused Organs in vitro Growth and Metastases of Biopsy Material in Rabbit Thyroid and Canine Intestinal Segment Publ: Annals of Surgery Vol/Iss: 164(3) Pages: 491-502 Date: 09/01/66	
	41	Author: GIMBRONE, M.A. et al. Title: Tumor growth and neovascularization: An experimental model using the rabbit cornea Publ: Journal of the National Cancer Institute Vol/Iss: 52(2) Pages: 413-427 Date: 02/74	
	42	Author: GIMBRONE, M.A. et al. Title: Tumor dormancy in vivo by Prevention of Neovascularization Publ: Journal of Experimental Medicine Vol/Iss: 136 Pages: 261-276 Date: 1972	
MM	43	Author: GOOD, D.J. et al. Title: A tumor suppressor-dependent inhibitor of angiogenesis is immunologically and functionally indistinguishable from a fragment of thrombospondin Publ: Proceedings of the National Academy of Science USA Vol/Iss: 87 Pages: 6624-6628 Date: 09/90	

Examiner Signature		Date Considered	11/03
-----------------------	--	--------------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

7

of

15

Complete if Known

Application No.

10/086,176

Filing Date

02/28/2002

First Named Inventor

Hembrough et al.

Group Art Unit

1631

Examiner Name

Unassigned

Attorney Docket Number

05213-0296 (43170-266780)

RECEIVED

SEP 04 2002

TECH CENTER 1600/290

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T*
MW	44	Author: GROSS, J.L. et al. Title: Modulation of Solid Tumor Growth in vivo by bFGF (Abstract only) Publ: Proceedings of the American Association of Cancer Research Vol/Iss: 31 Pages: 79 Date: 03/90	
	45	Author: GUPTA, S. et al. Title: A potent inhibitor of endothelial cell proliferation is generated by proteolytic cleavage of the chemokine platelet factor 4 Publ: Proceedings of the National Academy of Science USA Vol/Iss: 92 Pages: 7799-7803 Date: 08/95	
	46	Author: HAAS, A.F. et al. Title: Angiolymphoid Hyperplasia with Eosinophilia of the Hand Publ: Journal of Dermatologic Surgery and Oncology Vol/Iss: 17 Pages: 731-734 Date: 09/1991	
	47	Author: HANADA et al. Title: CARBOXYL TERMINAL BASIC AMINO ACID REGION OF TFPI PREVENTS PROLIFERATION OF HUMAN SMOOTH MUSCLE CELLS BY INHIBITING ACTIVATION OF MAP KINASE KINASE (Abstract only) Publ: Thrombosis and Haemostasis, Supplement Vol/Iss: Pages: Date: 07/2001	
	48	Author: HOLMGREN, L. et al. Title: Dormancy of micrometastases: Balanced proliferation and apoptosis in the presence of angiogenesis suppression Publ: Nature Medicine Vol/Iss: 1 (2) Pages: 149-153 Date: 02/95	
	49	Author: HOMANDBERG, G.A. et al. Title: Heparin-binding Fragments of Fibronectin are Potent Inhibitors of Endothelial Cell Growth Publ: American Journal of Pathology Vol/Iss: 120 Pages: 327-332 Date: 09/85	
MW	50	Author: INGBER, D. et al. Title: Synthetic analogues of fumagillin that inhibit angiogenesis and suppress tumor growth Publ: Nature Vol/Iss: 348 Pages: 555-557 Date: 12/06/90	

Examiner
SignatureDate
Considered

11/03

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
				Attorney Docket Number	05213-0296 (43170-266780)
Sheet	8	of	15		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T ²
MM	51	Author: ISHINO et al. Title: An Autopsy Case of Cerebral Form of v. Winiwarter-Buerger's Disease with a Chronic Course of 12 Years Publ: Folia Psychiatrica Neurologica Japonica Vol/Iss: 27 (3) Pages: 207-221 Date: 1973				
	52	Author: KAMIKUBO, Y. et al. Title: Human Recombinant Tissue-Factor Pathway Inhibitor Prevents the Proliferation of Cultured Human Neonatal Aortic Smooth Muscle Cells Publ: FEBS Letters Vol/Iss: 407 Pages: 116-120 Date: 01/01/97				
	53	Author: KEHREL, B. Title: Platelet-collagen interactions Publ: Seminars in Thrombosis and Hemostasis Vol/Iss: 21 (2) Pages: 123-129 Date: 1995				
	54	Author: KHOURI, R.K. et al. Title: Local Application of Tissue Factor Pathway Inhibitor (TFPI) Inhibits Intimal Hyperplasia Induced by Arterial Interventions Publ: Surgical Forum Vol/Iss: 46 Pages: 389-391 Date: 1995				
	55	Author: KIM, K.J. et al. Title: Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumor growth in Vivo Publ: Nature Vol/Iss: 362 Pages: 841-844 Date: 04/29/93				
	56	Author: KNIGHTON, D. et al. Title: Avascular and Vascular Phases of Tumour Growth in the Chick Embryo Publ: British Journal of Cancer Vol/Iss: 35 Pages: 347-356 Date: 1977				
MM	57	Author: KORFF et al. Title: Integration of Endothelial Cells in Multicellular Spheroids Prevents Apoptosis and Induces Differentiation Publ: The Journal of Cell Biology Vol/Iss: 143 (5) Pages: 1341-1352 Date: 11/30/98				

Examiner Signature		Date Considered	11/03
--------------------	--	-----------------	-------

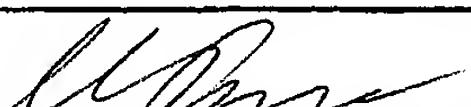
¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

RECEIVED

SEP 04 2002

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
Sheet	9	of	15	Attorney Docket Number	05213-0296 (43170-266780)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
MK	58	Author: KORFF et al. Title: Blood vessel maturation in a 3-dimensional spheroidal coculture model: direct contact with smooth muscle cells regulates endothelial cell quiescence and abrogates VEGF responsiveness Publ: The FASEB Journal Vol/Iss: 15 Pages: 447-457 Date: 02/2001			
	59	Author: KORFF et al. Title: Tensional forces in fibrillar extracellular matrices control directional capillary sprouting Publ: Journal of Cell Science Vol/Iss: 112 (19) Pages: 3249-3258 Date: 10/1999			
	60	Author: KOYAMA et al. Title: Regulation and Function of an Activation-Dependent Epitope of the β 1 Integrins in Vascular Cells after Balloon Injury in Baboon Arteries and in Vitro Publ: American Journal of Pathology Vol/Iss: 148 (3) Pages: 749-761 Date: 03/1996			
	61	Author: KUZUYA et al. Title: Antioxidants Stimulate Endothelial Cell Proliferation in Culture Publ: Artery Vol/Iss: 18 (3) Pages: 115-124 Date: 1991			
	62	Author: LINDAHL, A. Title: Coagulation Inhibition and Activation in Pancreatic Cancer Publ: Cancer Vol/Iss: 70 (8) Pages: 2067-2072 Date: 10/15/92			
	63	Author: LUPU, C. et al. Title: Thrombin Induces the Redistribution and Acute Release of Tissue Factor Pathway Inhibitor from Specific Granules within Human Endothelial Cells in Culture Publ: Arteriosclerosis, Thrombosis, and Vascular Biology Vol/Iss: 15 (11) Pages: 2055-2062 Date: 11/1995			
MM	64	Author: MAIONE, T.E. et al. Title: Inhibition of Angiogenesis by Recombinant Human Platelet Factor-4 and Related Peptides Publ: Science Vol/Iss: 247 Pages: 77-79 Date: 01/05/90			

Examiner Signature		Date Considered	4/03
--------------------	--	-----------------	------

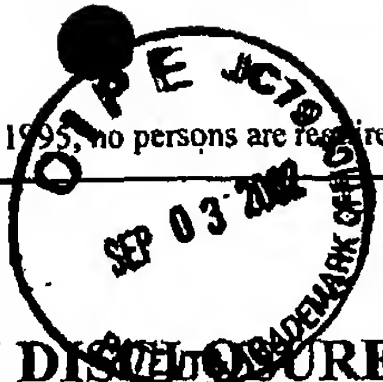
¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

RECEIVED

SEP 04 2002

TECH CENTER 1600/2900

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number



PTO/SB/08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 10 of 15

Complete if Known

Application No.	10/086,176
Filing Date	02/28/2002
First Named Inventor	Hembrough et al.
Group Art Unit	1631
Examiner Name	Unassigned
Attorney Docket Number	05213-0296 (43170-266780)

RECEIVED

SEP 04 2002

TECH CENTER 1600/290

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
<i>mh</i>	65	Author: MCGEE, J. et al. Publ: <u>Journal of Experimental Medicine</u>	Title: Simultaneous Expression of Tissue Factor and Tissue Factor Pathway Inhibitor by Human Monocytes. A Potential Mechanism for Localized Control of Blood Coagulation Vol/Iss: 179 Pages: 1847-1854 Date: 06/01/94		
	66	Author: MIYAGI, Y. et al. Publ: <u>Journal of Biochemistry</u>	Title: cDNA Cloning and mRNA Expression of a Serine Protease Inhibitor Secreted by Cancer Cells: Identification as Placental Protein 5 and Tissue Factor Pathway Inhibitor-2 Vol/Iss: 116 Pages: 939-942 Date: 1994		
	67	Author: MOSS, G.W. et al. Publ: <u>Journal of General Physiology</u>	Title: Hypothesis for a serine-protease-like domain at the COOH terminus of <i>Slowpoke</i> calcium-activated potassium channels. Vol/Iss: 108 (6) Pages: 473-484 Date: 12/1996		
	68	Author: NAKAO-HAYASHI et al. Publ: <u>Atherosclerosis</u>	Title: Stimulatory effects of insulin and insulin-like growth factor I on migration and tube formation by vascular endothelial cells Vol/Iss: 92 Pages: 141-149 Date: 02/1992		
	69	Author: NARITA, M. et al. Publ: <u>Journal of Biological Chemistry</u>	Title: Two Receptor Systems are Involved in the Plasma Clearance of Tissue Factor Pathway Inhibitor in vivo Vol/Iss: 270 (42) Pages: 24800-24804 Date: 11/20/95		
	70	Author: NGUYEN, M. et al. Publ: <u>Microvascular Research</u>	Title: Quantitation of Angiogenesis and Antiangiogenesis in the Chick Embryo Chorioallantoic Membrane Vol/Iss: 47 Pages: 31-40 Date: 1994		
<i>mh</i>	71	Author: NGUYEN, M. et al. Publ: <u>Journal of the National Cancer Institute</u>	Title: Elevated Levels of the Angiogenic Peptide Basic Fibroblast Growth Factor in Urine of Bladder Cancer Patients Vol/Iss: 85 (3) Pages: 241-242 Date: 02/03/93		

Examiner Signature	<i>[Signature]</i>	Date Considered	<i>11/03</i>
--------------------	--------------------	-----------------	--------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Substitute for Form 1449/A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application No.	10/086,176
Filing Date	02/28/2002
First Named Inventor	Hembrough et al.
Group Art Unit	1631
Examiner Name	Unassigned
Attorney Docket Number	05213-0296 (43170-266780)

Sheet 11 of 15

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MH	72	Author: NIWANO et al. Title: Inhibitory action of amyloid precursor protein against human Hagemanb factor (factor XII) Publ: Journal of Laboratory Clinical Medicine Vol/Iss: 125 (2) Pages: 252-256 Date: 02/1995	
	73	Author: NOVOTNY, W.F. et al. Title: Purification and Characterization of the Lipoprotein-Associated Coagulation Inhibitor from Human Plasma Publ: Journal of Biological Chemistry Vol/Iss: 264 Pages: 18832-18837 Date: 11/05/89	
	74	Author: O'REILLY et al. Title: Endogenous Inhibitors of Angiogenesis (Abstract only) Publ: Proceedings of the American Association of Cancer Research Vol/Iss: 37 Pages: 669 Date: 03/1996	
	75	Author: O'REILLY et al. Title: Angiostatin induces and sustains dormancy of human primary tumors in mice Publ: Nature Medicine Vol/Iss: 2 (6) Pages: 689-692 Date: 06/1996	
	76	Author: O'REILLY et al. Title: The Suppression of Tumor Metastases by a Primary Tumor Publ: 79th Annual Clinical Congress - San Francisco - Surgical Forum Vol/Iss: XLIV Pages: 474-476 Date: 1993	
	77	Author: O'REILLY et al. Title: Angiostatin: A Novel Angiogenesis Inhibitor that Mediates the Suppression of Metastases by a Lewis Lung Carcinoma Publ: Cell Vol/Iss: 79 Pages: 315-328 Date: 10/21/94	
MM	78	Author: O'REILLY et al. Title: Angiostatin: A Circulating Endothelial Cell Inhibitor That Suppresses Angiogenesis and Tumor Growth Publ: Cold Spring Harbor Symposia on Quantitative Biology Vol/Iss: LIX Pages: 471-482 Date: 1994	

Examiner Signature	<i>[Signature]</i>	Date Considered	4/03
--------------------	--------------------	-----------------	------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

PTO/SB/08A (08-00)
App. for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 12 of 15

Complete if Known

Application No.	10/086,176
Filing Date	02/28/2002
First Named Inventor	Hembrough et al.
Group Art Unit	1631
Examiner Name	Unassigned
Attorney Docket Number	05213-0296 (43170-266780)

RECEIVED

SEP 04 2002

TECH CENTER 1600/29

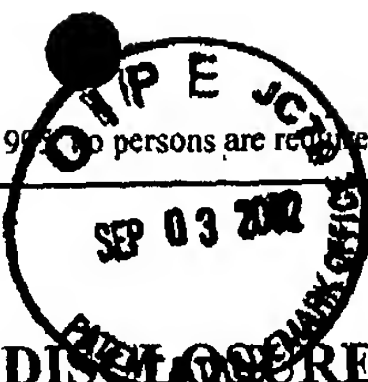
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>mm</i>	79	Author: OBESO, J. et al. Title: Methods in Laboratory Investigation/A Hemangioendothelioma-Derived Cell Line: Its Use as a Model for the Study of Endothelial Cell Biology Publ: Laboratory: Investigation Vol/Iss: 63 (2) Pages: 259-269 Date: 1990	
	80	Author: OSTERUD, B. et al. Title: Sites of Tissue Factor Pathway Inhibitor (TFPI) and Tissue Factor Expression under Physiologic and Pathologic Conditions Publ: Thrombosis and Haemostasis Vol/Iss: 73 Pages: 873-875 Date: 1995	
	81	Author: PARANGI, S. et al. Title: Antiangiogenic therapy of transgenic mice impairs <i>de novo</i> tumor growth Publ: Proceedings of the National Academy of Science USA Vol/Iss: 93 Pages: 2002-2007 Date: 03/1996	
	82	Author: PASSANITI, A. et al. Title: Methods in Laboratory Investigation/A Simple, Quantitative Method for Assessing Angiogenesis and Antiangiogenic Agents Using Reconstituted Basement Membrane, Heparin, and Fibroblast Growth Factor Publ: Laboratory: Investigation Vol/Iss: 67(4) Pages: 519-528 Date: 1992	
	83	Author: PETERSON, L.C. et al. Title: Inhibitory Properties of a Novel Human Kunitz-Type Protease Inhibitor Homologous to Tissue Factor Pathway Inhibitor Publ: Biochemistry Vol/Iss: 35 Pages: 266-272 Date: 01/01/96	
	84	Author: PILGRIM et al. Title: Proliferation kultivierter Endothelzellen unter dem Einfluß von Aprotinin und 4-Aminomethylbezoësaure (no translation) Publ: Biomedica Biochimica Acta Vol/Iss: 45 (8) Pages: 1015-1019 Date: 1986	
<i>mm</i>	85	Author: RAO et al. Title: Mechanism of Antithrombin III Inhibition of Factor VIIa/Tissue Factor Activity on Cell Surfaces. Comparison With Tissue Factor Pathway Inhibitor/Factor Xa-Induced Inhibition of Factor VIIa/Tissue Factor Activity Publ: Blood Vol/Iss: 85 (1) Pages: 121-129 Date: 01/01/95	

Examiner Signature	<i>mm</i>	Date Considered	11/03
--------------------	-----------	-----------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number



PTO/SB/08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 13 of 15

Complete if Known

Application No. 10/086,176
Filing Date 02/28/2002
First Named Inventor Hembrough et al.
Group Art Unit 1631
Examiner Name Unassigned
Attorney Docket Number 05213-0296 (43170-266780)

RECEIVED

SEP 04 2002

TECH CENTER 1600/290

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
MW	86	Author: RASTINEJAD, F. et al.	Title: Regulation of the Activity Of A New Inhibitor Of Angiogenesis By A Cancer Suppressor Gene		
		Publ: Cell	Vol/Iss: 56	Pages: 345-355	Date: 02/10/89
	87	Author: RIDRAY, S.	Title: Hyuperinsulinemia and smooth muscle cell proliferation		
		Publ: International Journal of Obesity	Vol/Iss: 19 Supp.1	Pages: S39-S51	Date: 05/1995
	88	Author: SAMAMA, M.M. et al.	Title: Mechanisms for the Antithrombotic Activity in Man of Low Molecular Weight Heparins (LMWHs)		
		Publ: Haemostasis	Vol/Iss: 24	Pages: 105-117	Date: 01/01/94
	89	Author: SCHUTTE et al.	Title: Additional Aspects of the Effect of Kallikrein on Cell Proliferation		
		Publ: Kinogenases: Kallikrein Symposium Physiol. Prop. Pharmacol. Ration.	Vol/Iss: 4th Edition	Pages: 161-177	Date: 1997
	90	Author: SPRECHER, C.A. et al.	Title: Molecular cloning, expression, and partial characterization of a second human tissue-factor-pathway inhibitor		
		Publ: Proceedings of the National Academy of Science USA	Vol/Iss: 91	Pages: 3353-3357	Date: 04/1994
	91	Author: SRIGLEY, J.R.	Title: Small-Acinar Patterns in the Prostate Gland With Emphasis on Atypical Adenomatous Hyperplasia and Small-Acinar Carcinoma		
		Publ: Seminars in Diagnostic Pathology	Vol/Iss: 5 (3)	Pages: 254-720	Date: 08/1988
MW	92	Author: SRIVASTAVA, A. et al.	Title: The Prognostic Significance of Tumor Vascularity in Intermediate-Thickness (0.76-4.0 mm Thick) Skin Melanoma		
		Publ: American Journal of Pathology	Vol/Iss: 133 (2)	Pages: 419-424	Date: 11/1988

Examiner Signature		Date Considered	11/03
--------------------	--	-----------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
				Attorney Docket Number	05213-0296 (43170-266780)
Sheet	14	of	15		
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
	93	Author: STEINHUBL, S.R. et al. Title: Local Delivery of Tissue Factor Pathway Inhibitor (TFPI) to Reduce Neointimal Proliferation in the Porcine Coronary Balloon Injury Model (Abstract only) Publi: Journal of the American College of Cardiology Vol/Iss: 29 (2) Supp. Pages: 97557 Date: 02/1997 A			
	94	Author: TAYLOR, S. et al. Title: Protamine is an inhibitor of angiogenesis Publi: Nature Vol/Iss: 297 Pages: 307-312 Date: 05/27/82			
	95	Author: TEICHER, B.A. et al. Title: POTENTIATION OF CYTOTOXIC CANCER THERAPIES BY TNP-470 ALONE AND WITH OTHER ANTIANGIOGENIC AGENTS Publi: International Journal of Cancer Vol/Iss: 57 (6) Pages: 920-925 Date: 1994			
	96	Author: VOEST, E.E. et al. Title: Inhibition of Angiogenesis in Vivo by Interleukin 12 Publi: Journal of the National Cancer Institute Vol/Iss: 87 Pages: 581-586 Date: 04/19/95			
	97	Author: WARSHAWSKY, I. et al. Title: The Carboxy Terminus of Tissue Factor Pathway Inhibitor is Required for Interacting with Hepatoma Cells in Vitro and In Vivo Publi: The American Society for Clinical Investigation Vol/Iss: 95 Pages: 1773-1782 Date: 04/1995			
	98	Author: WARSHAWSKY, I. et al. Title: The low density lipoprotein receptor-related protein mediates the cellular degradation of tissue factor pathway inhibitor Publi: Proceedings of the National Academy of Science USA Vol/Iss: 91 Pages: 6664-6668 Date: 07/1994			
	99	Author: WEIDNER, N. et al. Title: Tumor angiogenesis: A New Significant and Independent Prognostic Indicator in Early-Stage Breast Carcinoma Publi: Journal of the National Cancer Institute Vol/Iss: 84 Pages: 1875-1887 Date: 12/16/92			

Examiner Signature		Date Considered	11/02
-----------------------	---	--------------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

*Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

PTO/SB/08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application No.	10/086,176
				Filing Date	02/28/2002
				First Named Inventor	Hembrough et al.
				Group Art Unit	1631
				Examiner Name	Unassigned
Sheet	15	of	15	Attorney Docket Number	05213-0296 (43170-266780)

RECEIVED

SEP 04 2002

TECH CENTER 1600/2900

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
mm	100	Author: WEIDNER, N. et al.	Title: Tumor Angiogenesis Correlates with Metastasis in Invasive Prostate Carcinoma		
		Publ: American Journal of Pathology	Vol/Iss: 143 (2)	Pages: 401-409 Date: 08/1993	
mm	101	Author: WEIDNER, N. et al.	Title: Tumor Angiogenesis and Metastasis-Correlation in Invasive Breast Carcinoma		
		Publ: New England Journal of Medicine	Vol/Iss: 324 (1)	Pages: 1-8 Date: 01/03/91	

Examiner Signature		Date Considered	11/07
-----------------------	--	--------------------	-------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.